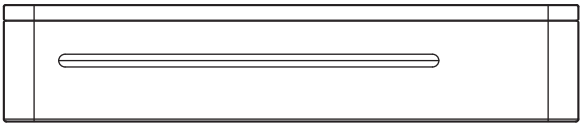
TOSHIBA

English

Blu-ray 3D™ DVD VIDEO™ BD-LIVE™ Blu-ray Disc™

Blu-ray Disc™ Player



BDX6400KE

Owner's Manual

English

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1 Important

Safety and important notice

Warning:

- Risk of overheating! Never install the product in a confined space. Always leave a space of at least 10cm around the product for ventilation. Ensure curtains or other objects never cover the ventilation slots on the product.
- Never place the product, remote control or batteries near naked flames or other heat sources, including direct sunlight.
- Only use this product indoors. Keep this product away from water, moisture and liquid-filled objects.
- Never place this product on other electrical equipment.
- Keep away from this product during lightning storms.
- Where the AC adapter or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Always consider the environment when disposing of batteries.
- The use of apparatus in moderate climate.

LASER
CAUTION:
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
CAUTION:
VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. DO NOT STARE INTO BEAM.
LOCATION:
INSIDE, NEAR THE DECK MECHANISM.

CLASS 1 LASER PRODUCT
APPAREIL À LASER DE CLASSE 1
PRODUCTO LASER DE CLASE 1

The rating plate and the safety caution are located on the bottom enclosure of the player.

About “dispose” and “transfer” of product
We recommend you to initialize personal information by resetting all setting to its initial default state.
See **Load Default** on page 18 for details.

EU Conformity Statement

This product is labeled with the CE Mark in accordance with the related European Directives, notably Low Voltage Directive 2006/95/EC, Electromagnetic Compatibility Directive 2004/108/EC and RoHS Directive 2011/65/EU. Furthermore the product complies with the Ecodesign Directive 2005/32/EC (EuP) and 2009/125/EC (ErP) and its related implementing measures.

If this product has an integrated Wireless LAN feature, the Radio Equipment and Telecommunications Terminal Equipment Directive 1999/5/EC is also applicable.

Responsible for CE-marking is
TOSHIBA EUROPE GMBH
Hammfelddamm 8, 41460 Neuss, Germany

Disposal of your old product and batteries

Following information is only valid for EU-member States:
Disposal of products

The crossed out wheeled dust bin symbol indicates that products must be collected and disposed of separately from household waste. Integrated batteries and accumulators can be disposed of with the product. They will be separated at the recycling centres.
The black bar indicates that the product was placed on the market after August 13, 2005. By participating in separate collection of products and batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health.
For more detailed information about the collection and recycling programmes available in your country, please contact your retailer where the product was purchased.

Disposal of batteries and/or accumulators

The crossed out wheeled dust bin symbol indicates that batteries and/or accumulators must be collected and disposed of separately from household waste. If the battery or accumulator contains more than the specified values of lead (Pb), mercury (Hg), and/or cadmium (Cd) defined in the Battery Directive (2006/66/EC), then the chemical symbols for lead (Pb), mercury (Hg) and/or cadmium (Cd) will appear below the crossed out wheeled dust bin symbol. By participating in separate collection of batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health.

For more detailed information about the collection and recycling programmes available in your country, please contact your retailer where the product was purchased.

Pb, Hg, Cd

Disclaimers

I. HEALTH/SAFETY-RELATED IMPORTANT SAFETY INFORMATION CONCERNING 3D VIEWING

- If you or any viewer experiences the following symptoms or any other discomfort from viewing 3D video images, stop viewing and contact your health care provider:

Convulsions	Eye or muscle twitching
Loss of awareness	Altered vision
Involuntary movements	Disorientation
Eye Strain	Nausea/Vomiting
Dizziness	Headaches
Fatigue.	

- Some viewers may experience a seizure or blackout when exposed to certain flashing images or lights contained in certain 3D television pictures or video games. Anyone who has had a seizure, loss of awareness, or other symptom linked to an epileptic condition, or has a family history of epilepsy, should contact a health care provider before using the 3D function.
- If you feel eye fatigue or other discomfort from viewing 3D video images, stop viewing and take a rest until the condition is eliminated.
- Due to the possible impact on vision development, viewers of 3D video images should be age 6 or above. Children and teenagers may be more susceptible to health issues associated with viewing in 3D and should be closely supervised to avoid prolonged viewing without rest.
- Avoid use of the 3D function when under the influence of alcohol.
- Watching the screen while sitting too close for an extended period of time may cause eye strain. Consult your display manual to determine the ideal viewing distance.
- Viewing in 3D may cause dizziness and/or disorientation for some viewers. Therefore, to avoid injury do not place your player or display near open stairwells, balconies, or wires, and do not sit near objects that could be broken if accidentally hit.
- CAREFULLY READ INSTRUCTIONS PROVIDED WITH YOUR DISPLAY AND/OR 3D GLASSES BEFORE 3D VIEWING.

II. PERFORMANCE RELATED

- This product is designed to playback Blu-ray™ discs that comply with the 3D specifications of Blu-ray Disc Association.
  It is not compatible with other 3D specifications.
- 3D capable display, 3D eyewear and High Speed HDMI cable (all sold separately) required for playback and viewing 3D content.
- If you route your signal through an AV receiver or other video distribution device they must be 3D capable to support 3D viewing. Viewing HD content and up-converting DVD content may require an HDCP capable input on your display device.
- While up-converting DVD video content may result in a picture that appears to be near HD quality, results may vary depending on content, display and settings.
- 1080p capable display required for viewing content in 1080p.
- 1080p/24 fps encoded content and an HD display capable of accepting a 1080p/24Hz signal required for viewing 1080p/24 fps content.
- Performance of interactive and/or network features may vary due to disc design or content, and may also require an always-on broadband internet connection. Firmware update may be required for some interactive and/or network features. Some features may require additional bandwidth.
- BD-Live™ may require a USB flash drive with available storage capacity of at least 1GB (sold separately).
- For Dolby® TrueHD and DTS-HD Master Audio | Essential™ playback, content encoded in Dolby® TrueHD and DTS-HD Master Audio | Essential™ format required. Supported file types: JPEG, MP3, DivX and AVCHD. Some recordable media, cards or files may not be supported. Deep Color feature as specified in HDMI specification requires compatible Deep Color capable HD display and/or device. Use of HDMI-CEC requires an HDMI-CEC compatible display device. Depending on the specifications of your display device, some or all HDMI-CEC functions may not work even if your display device is HDMI-CEC compatible.
- Products do not play HD DVD discs.
- Some features subject to delayed availability.
- Because the Blu-ray™ format and 3D specifications use new technologies, certain

disc, content, connection and other compatibility and/or performance issues are possible. If you experience such issues, please refer to www.home-entertainment.toshiba.co.uk (for UK models) or http://eu.consumer.toshiba.eu/en (for Europe continental models) to get information on the availability of firmware updates that may resolve your problem, or contact Toshiba Customer Solutions.

- While every effort has been made at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, system/component/options availability are all subject to change without notice.

Notice for Trademark

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ABOUT DIVX VIDEO:
DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation.
This is an official DivX Certified® device that plays DivX video. Visit divx.com for more information and software tools to convert your files into DivX videos.

ABOUT DIVX VIDEO-ON-DEMAND:
This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.

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DivX Certified® to play DivX® video up to HD 1080p, including premium content.

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The Wi-Fi Direct™ is a mark of the Wi-Fi Alliance.
The Miracast™ is a mark of the Wi-Fi Alliance.

2 Your Product

Regions Codes

Both the Blu-ray Disc™ Player and the discs are coded by region. These regional codes must match in order to play the disc. If the codes do not match, the disc will not play.
The Region Number for this Blu-ray Disc™ Player is described on the rear panel of the Blu-ray Disc™ player.

Region	DVD discs that can be played
U.S.A. and Canada regions	
U.K., Europe regions and Japan	
Asia Pacific, Taiwan, Korea	
Australia, New Zealand, Latin America	
Russia and India regions	
China, Calcos Islands, Walls and Futuna Islands	

Region	Blu-ray™ discs that can be played
North America, Central America, South America, Korea, Japan, Taiwan, Hong Kong and South East Asia	
Europe, Greenland, French territories, Middle East, Africa, Australia and New Zealand.	
India, China, Russia, Central and South Asia.	

Feature highlights

High-Definition entertainment
Watch high-definition content disc with HDTV (High Definition Television). Connect it through a high speed HDMI cable. You can enjoy excellent picture quality up to 1080p resolution with the frame rate of 24 frames per second with progressive scan output.

UHD(2160p)
This player supports the high definition 1080/24p up-converting to UHD(3840x2160p) video signal output. If you connect a UHD(3840x2160p) compatible TV to the HDMI jack on your player via the High Speed HDMI cable, you can enjoy the 1080/24p up-converting to UHD(3840x2160p) video images.

BD-Live™

Connect this player to the movie studios website via the LAN jack to access a variety of up-to-date content (e.g. refreshed previews and exclusive special features).

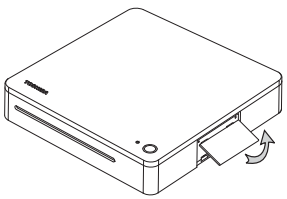
Blu-ray Disc™ Java

Blu-ray Disc™ Java(BD-J) Application the BD-ROM format supports Java for interactive functions. “BD-J” offers content providers almost unlimited functionality when creating interactive BD-ROM titles.

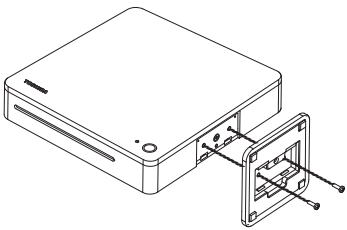
Assembling the Desktop Stand (Optional)

The Desktop Stand comes with the Blu-ray Disc™ player, you may assemble the Desktop Stand before all connections.

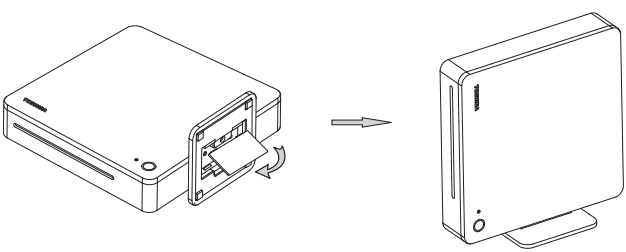
1 Open the cover of the Desktop Stand slot by clicking the slot upwards.



2 Insert the two screws that are included with the player through the holes of the Desktop Stand. Align the screw holes on the player with the screws.

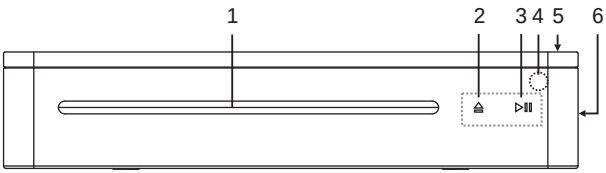


3 Gently tighten the screws with the screwdriver (not supplied). In order to use the cover of the Desktop Stand slot for the future, please attach it to the bottom of the Desktop Stand. Refers to the following figure for details.



Product overview

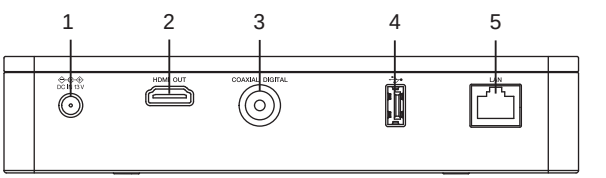
Main unit



No.	Control	Function
1	Disc slot	Insert a disc label-side up into the disc slot.
2	⏏	Eject the disc from the disc slot.
3	▶II	Playback/pause.
4	IR Sensor	Point the remote control at the IR sensor.
5	⏻	Turn the power on (indicator grows green) or restores the unit to the standby mode (indicator is off).
6	Desktop Stand slot	For assembling the Desktop Stand.

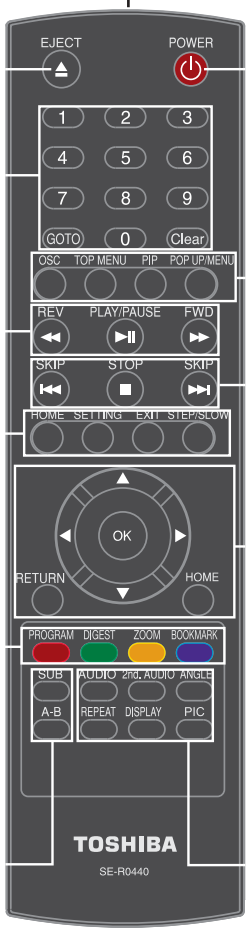
Notes:

- *The sensor field is within the rectangular area and the ⏏, ▶II indicators are located in the sensor field.*
- *To turn on the indicators, simply touch the sensor field, the indicators will be evolved and light up.*



No.	Control	Function
1	DC IN 13V jack	Connect the supplied AC adapter.
2	HDMI OUT jack	Output video/audio signals to a connected TV, monitor or AV receiver/amplifier. Connect to a TV, monitor or AV receiver/amplifier equipped with HDMI input.
3	COAXIAL DIGITAL jack	Output digital audio signals when connecting the coaxial digital cable.
4	USB jack	Connect a USB flash drive.
5	LAN jack	Use this to connect to a network with an always-on broadband connection. It is reserved for future usage of BD-Live™, bonus content, Media Server Search, Picasa, YouTube and Miracast™.

Remote control



⏏ EJECT
• Press to stop playback and eject the disc

Number Buttons
• Press to enter track/chapter title numbers/password directly

GOTO
• To goto a title, chapter, track or playing time

Clear
• To clear an entry or the bookmark and program you set

◀◀ REV / ▶▶ FWD
• Fast reverse/fast forward

▶II PLAY / PAUSE
• Start/Pause playback

HOME
• Press to enter HOME screen

SETTING
• To enter the setup screen

EXIT
• To exit the current menu

STEP / SLOW
• Advance the picture frame by frame during pause mode
• Do a slow forward during normal playback

PROGRAM
• To access program list

DIGEST
• To access JPEG thumbnail view during playback

ZOOM
• To zoom out/in

BOOKMARK
• To bookmark at any point during playback

SUB (Subtitle)
• To display subtitle; press repeatedly to select different subtitles available in your disc

REPEAT A-B
• To repeat from A to B

REMOTE SIGNAL EMITTER
• Point remote control to the sensor on the front panel

⏻ POWER
• To switch the Blu-ray Disc™ Player to ON or standby mode

OSC
• To access On Screen Control menu

TOP MENU
• To display the disc title during playback

PIP (Picture in Picture)
• Switch on or off the secondary video

POP UP / MENU
• To display a menu included on many Blu-ray Disc™/DVD video discs

SKIP ⏮/⏭
• Skip to previous/next chapter/title/track

■ STOP
• Stop playback

◀/▶/▲/▼
• Navigation/Cursor buttons for moving to the left/right/up/down
• Press ◀/▶ during JPEG playback to rotate the current photo track, but the JPEG playback will be paused.

OK
• Acknowledge/Confirm menu selection

RETURN
• Return to previous menu

HOME
• Press to enter HOME screen

AUDIO
• To select the sound stream; press repeatedly to select different audio streams available in your disc

2nd. AUDIO
• Switch on/off the secondary audio of secondary video (PIP)

ANGLE
• Switch the camera angle during playback

REPEAT
• Selects various repeat mode

DISPLAY
• Press to display operating status

PIC
• To display the Picture Setting menu

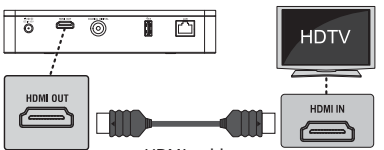
English

3 Connections

Make the following connection to use this product.

Connecting to a TV

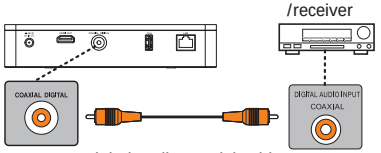
Connect a HDMI cable from the HDMI output jack on this product to the HDMI input jack on the TV.
A HDMI cable carries both video and audio signals. If you wish to use TV speakers, you do not need to make an additional audio connection.



HDMI cable
(not supplied)

Connecting to the digital amplifier/receiver

Route the sound from this player to other device to enhance audio output.
Connect a coaxial cable from the COAXIAL jack on this product to the COAXIAL jack on the device.



Digital audio coaxial cable
(not supplied)

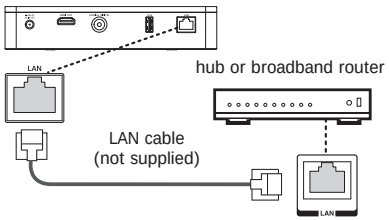
Connecting to network

Option 1: Connecting via wired router

Option 2: Connecting via the built-in Wi-Fi® device and a wireless access point or router

Option 1: Connecting via wired router

Connect the network cable from the LAN jack on the product to the LAN jack on the network system.

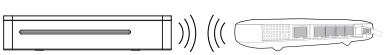


Notes:

- *Do not connect a modular phone cable to the LAN jack.*
- *Follow the connection configurations instructions from your telecommunication carrier or Internet service provider.*

Option 2: Connecting via the built-in Wi-Fi® device and a wireless access point or router

Your Blu-ray Disc™ player has an integrated Wi-Fi® device and antenna. No physical connection to the wireless router is necessary.



Wireless
access point

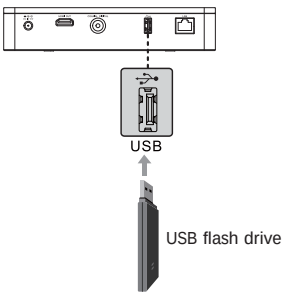
1. Configure your player to access the wireless access point or router.
2. The network configuration and connection method may vary depending on the equipment in use and the network environment. Your Blu-ray Disc™ player is equipped with an IEEE 802.11n wireless module, which also supports the 802.11a/b/g/n standards. For the best wireless performance, we recommend using an IEEE 802.11n certified Wi-Fi® network (access point or wireless router).

Notes:

- *You must use a wireless IP sharer that supports IEEE 802.11a/b/g/n. (n is recommended for stable operation of the wireless network.)*
- *Wireless LAN, in its nature, may cause interference, depending on the use condition (AP performance, distance, obstacle, interference by other radio devices, etc.).*
- *Set the wireless IP sharer to Infrastructure mode. Ad-hoc mode is not supported.*
- *When applying the security key for the AP (wireless IP sharer), only the following is supported.*
  1. Authentication Mode: WPAPSK, WPA2PSK
  2. Encryption Type: WEP, TKIP, AES

Connecting USB device

The USB jack supports USB flash drive, TOSHIBA's USB Wi-Fi® adapter (Model name: WLM-12EB1) and 4 ports USB HUB.
A USB flash drive provides an additional memory to software upgrade and enjoy BD-Live™ bonus content.
You can also enjoy playing back MP3/JPEG/MPEG4/DivX® files stored in the USB flash drive.

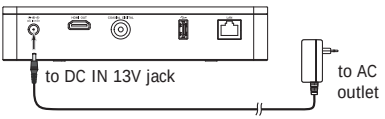


Notes:

- *To enjoy BD-Live™ bonus content, as your local storage, use a **1 GB or larger USB flash drive**.*
- *For some Blu-ray™ discs with BD-Live™ feature, you may need to plug in the USB flash drive before loading the disc. Otherwise, the disc may not playback.*
- *TOSHIBA does not guarantee 100% compatibility with all USB flash drives.*
- *USB-HUB is used when using USB flash drive and TOSHIBA's USB Wi-Fi® adapter together.*

Using AC adapter

The supplied AC adapter operates on AC 100-240V. Using an adapter other than the one supplied with the unit may damage the unit.



Notes:

- *If you are not going to use the unit for an extended period of time, disconnect the adapter from the wall outlet.*
- *Do not handle the adapter power cord with wet hands.*

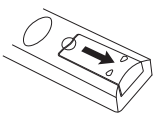
4 Preparation

Always follow the instructions in this chapter in sequence.

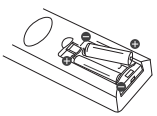
Note:
- Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

Prepare the remote control

1. Open the battery cover.



2. Insert two AAA batteries with correct polarity (+/-) as indicated.

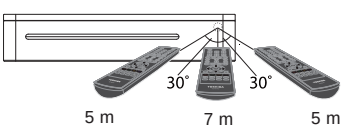


3. Close the battery cover.

Notes:
- If you are not going to use the remote control for a long time, remove the batteries.
- Do not use old and new or different types of batteries in combination.
- Risk of explosion! Keep battery away from heat, sunshine or fire. Never discard battery in fire.

- **The maximum operable ranges from the unit are as follows.**

- Line of sight: approx. 7 m
- Either side of the centre: approx. 5 m within 30°
- Above: approx. 5 m within 30°
- Below: approx. 5 m within 30°



Setting up the player

Find the correct viewing input
1. Press ⏻ to turn on this product.
2. Turn on the TV and switch to the correct video-in input (refer to the TV user manual on how to select the correct input).

Initial Setting
When you turn on this unit for the first time, or restore all settings to factory defaults, the system will prompt you to perform Easy Setup.

1. Follow the on-screen instructions to customize the following settings to your preference:
   OSD Language
   Resolution
   Aspect ratio
2. After setting, press **OK** to confirm and exit.

Use the SETTING menu
1. Press **SETTING** to display the setup screen in stop mode or no disc playback.

Use the HOME menu
1. Press **HOME** to display the Home screen in stop mode or no disc playback.

5 Playback

Playback Functions

Basic Playback

1. Press ⏻ on the front panel or the remote control, your Blu-ray Disc™ player will turn on.
2. Turn on the TV, and then select the input setting on the TV that matches the connection method you used to connect your player.
3. Insert a disc label-side up into the disc slot.
4. The disc will load automatically and begin to play.
   The disc loading time depends on the types of disc you are loading.
5. If a Blu-ray disc or DVD menu displays, use cursor buttons to select PLAY. Then, press OK to confirm.
6. To eject the disc, press ⏏ EJECT.

Pause playback

1. Press ⏯ to pause playback. The sound will be muted.
2. Press ⏯ to resume the playback.

Still Off

Press ⏯ to continue to playback at still off mode.

Stop playback

1. Press ■ STOP once to go to resume mode, the TV screen will show the resume logo.
   Press ⏯ to resume playback from the point where playback is stopped.
2. Press ■ STOP twice to stop the playback completely and the setup screen appears.
   Use ▲/▼ to select BD/DVD, and press OK to begin playback from the beginning of the disc.
   Not all Blu-ray™ discs support the resume feature.

Fast Forward and Fast Reverse

1. Press ⏩ to fast forward through the disc. The fast forward speed changes based on how many times you pressed the button.
2. Press ⏪ to fast reverse through the disc. The fast reverse speed changes based on how many times you pressed the button.
   The speed will increase through the following sequence: 2X, 4X, 8X, 16X, 32X.
3. Press ⏯ to resume normal playback.

Instant Search and Instant Replay

1. During playback, press and hold ⏩ button, you can search 30 seconds forward.
2. During playback, press and hold ⏪ button, you can instant replay the content from 10 seconds before.

Previous and Next

1. During playback, press ⏮ button to skip back to the beginning of the current chapter or track or the previous chapter or track.
2. Press of ⏭ button during playback will allow you to skip the playback to next chapter or track.

Slow Forward

1. Press STEP/SLOW during normal playback. The slow forward speed is 1/16 in default.
2. To change slow forward speed, press STEP/SLOW repeatedly, and the slow forward speed will be changed in the following sequence: 1/16, 1/8, 1/4, 1/2, normal.
3. To exit slow forward mode and return to normal playback, press ⏯.

Step Forward

Use this feature to help you to enjoy the video frame by frame.

1. Press ⏯ during normal playback, then playback will change to pause state.
2. Press STEP/SLOW repeatedly to advance the picture frame by frame.
3. Press ⏯ to resume normal playback.

Advanced Playback

GOTO
During playback, press GOTO to edit Title, Chapter, and Time.
Press ◀/▶ and OK on the remote control to select Title, Chapter, or Time. Then press the numeric buttons or ▲/▼ and then press OK. The playback will skip to the desired location.
For Time Search, press ▲/▼ to select TT (Title) or CH (Chapter) time search.

TOP MENU
You may press this button at any time, and the Blu-ray Disc™ or DVD video disc playback will pop up the disc menu.

POP UP/MENU
During Blu-ray Disc™ playback, press POP UP/MENU to display the disc title, and the playback will not be stopped even the menu is on the screen.

RETURN
Press this button to return to the previous on-screen menu in Setting menu such as External Memory Information, Parental Control, etc.
During MP3/JPEG playback, press RETURN once, it will return back to Media Center page.

PROGRAM
During DVD/CD playback, you can press this button to edit the sequence of the playlist.

DIGEST
During playback of JPEG disc, press DIGEST to view a page of 12 thumbnail images.
- Use ◀/▶/▲/▼ to select an image.
  Press OK to view the selected image in full-screen and subsequent images will be displayed one after another automatically.
- Press ⏮/⏭ to view the previous or next thumbnail screen.

ZOOM
Press ZOOM repeatedly to Zoom in/out playback in the video.
Zoom mode : Zoom 2x -> Zoom 3x -> Zoom 4x -> Zoom 1/2 -> Zoom 1/3 -> Zoom 1/4.

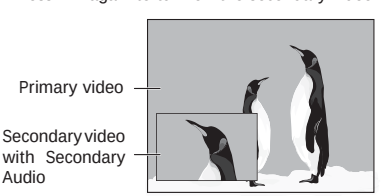
BOOKMARK
During playback, press the BOOKMARK button to add the bookmark; press and hold for a few seconds to display the list of bookmark which you added before on the screen, then you can press the OK button to select the bookmark or CLEAR button to delete the bookmark.

SUB
Press this button repeatedly and the screen will display "X/XX XXX" or "Off". The "X" indicates the current number of this language; "XX" indicates the total number of language; "XXX" indicates the language.
The number of available languages depends on the disc.

AUDIO
Press AUDIO button on the remote control to select the audio streams that set within the Blu-ray™ or DVD disc.
The screen will display:
AUDIO: X / XX XXX XXXX
"X" - The Current Audio Stream Number
"XX" - The total number of Audio Stream
"XXX" - Audio Language
"XXXX" - Audio Technology

ANGLE
During playback, press this button to change the angle of the picture. The screen will display "Angle X/X." The first "X" indicates the current number of angle, and the second "X" indicates total number of angle.
Not all Blu-ray™ or DVD has the multi-angle feature. The screen will take around 5 seconds to change.

PIP
Some Blu-ray™ discs have the PIP function enabling you to display the secondary video in the primary video. You can call up the secondary video by pressing the PIP button when the scene contains the secondary video. See the documentation that came with the disc for playback instructions.
1. Turn on secondary video by pressing the PIP button.
2. Press 2nd. AUDIO to turn on the audio for the secondary video (PIP).
   In order to hear the secondary audio, the PIP feature on the disc must be turned on.
3. Press PIP again to turn off the secondary video.



This function is not available when the primary video is played in Search, Slow-Motion, or Frame-by-Frame or Fast Forward/ Reverse mode.
To listen to the secondary audio, the digital audio output must be set to "Bitstream", "Re-encode" or "PCM". Otherwise, only the primary audio can be heard.

Notes:
- *Not all the Blu-ray™ discs can support this function.*
- *High Definition PIP (Secondary Video) is not supported.*

REPEAT
Press REPEAT repeatedly to select different repeat modes.
Blu-ray Disc™: Repeat Chapter and Title.
DVD: Repeat Chapter, Title and All.
CD-DA/JPEG/MP3: Repeat Track and All.

A-B
To play certain section within the video or song, press A-B button to set the start point. Then, press A-B button again to set the end point and complete the setting. The selected section will be played repeatedly.
Press A-B button the third time to cancel this function.
The end point cannot be set until 5 seconds of playback has elapsed from the start point.
Not all Blu-ray™ discs support the repeat A-B feature.

DISPLAY
Press this button and the screen will display some information about disc, such as: Title number, Chapter number, Track number, Elapsed Time, Audio, Angle, and Subtitle languages. Press this button again to turn off the information display.

PIC
During video playback, press the PIC button to display the Picture Setting menu. Use the ▲/▼ button to select Brightness, Contrast, Tint, Color, Detail Enhancement or Edge Restoration and press OK, then use the ◀/▶ button to make adjustment.

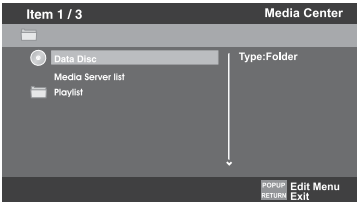
OSC
Press OSC to open the On Screen Control menu during playback. In this menu, you can make some playback-related control.
The on screen control contains following items:
[Title]: The title in current playback/titles in total. Select your desired title to playback.
[Chapter]: The chapter in current playback/ chapters in total. Select your desired chapter to playback.
[Time]: View the elapsed/remaining playback time of title/chapter. Use ▲/▼ to view: the elapsed playback time of title, the remaining playback time of title, the elapsed playback time of chapter, and the remaining playback time of chapter.
[Mode]: Select playback mode among shuffle, random, and normal.
[Audio]: The Blu-ray Disc™/DVD disc's soundtrack language. Use ▲/▼ to view the audio available in the disc and select your desired Audio type.
[Angle]: The angle view of current playback/the angles in total. Use ▲/▼ to select your desired angle view.
[Subtitle]: The Subtitle in current playback.
Use ▲/▼ to view the subtitles available in the disc and select your desired subtitle type or turn it off.
Note:
- In accordance with the different discs, there would be different subtitles. Such as
Central Europe
Cyrillic
Latin I
Greek
Turkish
Hebrew
[Subtitle Style]: When you play the Blu-ray Disc™ or DVD disc and if it has external subtitle, you will see it in OSC menu.
[Secondary Video]: To turn On/Off secondary video.
[Secondary Audio]: To turn On/Off secondary audio.
[Bitrate]: Use ▲/▼ to select audio or video bitrate.
[Still Off]: Close the Still feature.
For some Blu-ray Disc™ or DVD discs, a certain video picture will be frozen as a still picture during the process of playback to let the user has a better view of certain picture. To continue playback, select Still Off.
[Instant Search]: Instant search 30 seconds forward.
[Instant Replay]: Replay the content from 10 seconds before.

Tips:
- *The specified operation for each item will vary with disc types. And some items are available only when the disc is supportable.*
- *The DivX® subtitle filename(.sub) has to be saved under the same filename as the movie(.avi) in the same folder (e.g. Folder A: abc.avi and abc.sub).*

Playing MP3 / JPEG / MPEG4 / DivX® files

You can play MP3/JPEG/MPEG4/DivX® files that have been recorded on a disc or a USB flash drive on the Blu-ray Disc™ player.

1. Load a disc or insert a USB flash drive that contains MP3/JPEG/MPEG4/DivX® files.
2. On the setup screen, press ▲/▼ to select Video, Music, or Photo, and then press OK.
   The Media Center menu appears on the screen.
   e.g.



3. Press ▲/▼ to select **Data Disc** or **USB1,** and press OK.
4. Press ▲/▼ to select a file (or folder) and press OK or ▶II to start playback.
   It should match the selection on the setup screen. (If you selected Video on the setup screen, you also should select Video here.)

Note:

- *Not all media formats are supported.*

Watermark

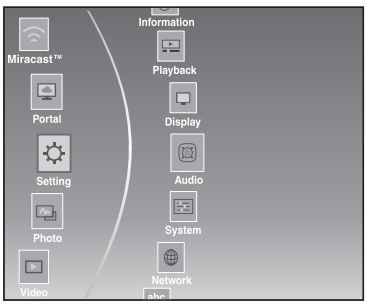
This product uses Cinavia technology to limit the use of unauthorized copies of some commercially-produced film and videos and their soundtracks. When a prohibited use of an unauthorized copy is detected, a message will be displayed and playback will be interrupted.
More information about Cinavia technology is provided at the Cinavia Online Consumer Information Center at http://www.cinavia.com. To request additional information about Cinavia by mail, send a postcard with your mailing address to: Cinavia Consumer Information Center, P.O. Box 86851, San Diego, CA, 92138, USA.

6 Customizing

This section describes the various setting option of this Blu-ray Disc™ player.

If the setup option is greyed out, it means the setting cannot be changed at the current state.

1. Press the SETTING button in stop mode to display the setup screen.
2. Press OK to enter the **Setting** menu.
3. Use ▲/▼ to select an option and press OK.
4. Press ◄ or the RETURN button to return to the previous menu.



Audio

1. In **Setting** menu, use ▲/▼ to select **Audio** and press OK.
2. Press ▲/▼ to select an option and press OK.
3. Use ▲/▼ to select the desired audio setting and press OK.
4. Press ◄ or the RETURN button to return to the previous menu.

[SPDIF]
When you connect an audio system to the COAXIAL DIGITAL output jack, the options are:

{Bitstream} - Selects Bitstream output if your receiver SPDIF (Coaxial) IN supports Dolby or DTS or PCM audio signal.

{PCM} - Selects PCM output if your receiver SPDIF (Coaxial) IN only supports PCM stereo audio signal.

{Re-encode} - Selects Re-encode output if your receiver SPDIF (Coaxial) IN supports Dolby or DTS and you want to hear both PIP audio and the movie audio on Blu-ray™ video.

{Off} - No audio will be output via COAXIAL DIGITAL output jack.

[HDMI]
When you connected a HDMI device to the HDMI OUT jack, the available options are:

{Bitstream} - Selects Bitstream output if your receiver HDMI IN supports Dolby or DTS or PCM audio signal.

{PCM} - Selects PCM output if your receiver HDMI IN only supports PCM audio signal.

{Re-encode} - Selects Re-encode if your receiver's HDMI IN supports Dolby or DTS and you want to hear both PIP audio and movie audio on Blu-ray™ video.

{Off} - No audio will be output via HDMI OUT jack.

[Down_samp]
Select the digital audio signal sampling frequency. (Only Coaxial)
{48k} - For discs recorded at sampling rate of 48 kHz.
{96k} - For discs recorded at sampling rate of 96 kHz.
{192k} - For discs recorded at sampling rate of 192 kHz.

[Dolby DRC]
Select the Dynamic Range Control mode which makes it available to listen to a movie at a low volume without losing sound clarity.
{Off} - Non-dynamic range compress.
{On} - Dynamic range compress.
{Auto} - Adjust the DRC according to input audio.
The setting of Auto is effective for Dolby TrueHD.

[Stereo Down Mix]
Select whether to downmix the multi-channel audio into fewer channels.

{Stereo} - Downmixes the multi-channel audio into two channel stereo. Choose when the Blu-ray Disc™ player is connected to equipment that does not support virtual surround function such as Dolby Pro Logic.

{Surround Encoded (Lt/Rt)} - Downmixes the multichannel audio into surround compatible stereo. Choose when the Blu-ray Disc™ player is connected to equipment that supports virtual surround function such as Dolby Pro Logic.

System

1. In **Setting** menu, use ▲/▼ to select **System** and press OK.
2. Use ▲/▼ to select an option and press OK.
3. Press ◄ or the RETURN button to return to the previous menu.

[Screen Saver]

Turn On or Off the screen saver mode. It helps to protect the TV screen.

{On} - Set the screen saver active after approximately 5 minutes without operation.

- The Blu-ray Disc™ player will switch to standby mode if there is no operation after the screen saver is engaged for approximately 20 minutes.

{Off} - Turn off the screen saver mode.

- The Blu-ray Disc™ player will not switch to standby mode automatically.

[Disc Auto Play]

Turn On or Off the disc automatic playback switching mode.

{On} - The disc playback automatically after loading.

{Off} - Turn off disc auto play mode.

[CEC]

This player supports REGZA-LINK which uses the HDMI CEC (Consumer Electronics Control) protocol. You can use one single remote control to control all REGZA-LINK-compliant devices that are connected through HDMI connectors.

{On} - Turns on REGZA-LINK features.

- With CEC on, during TV standby with the Blu-ray Disc™ player on, pressing SETTING, PLAY/PAUSE will power on the TV. When you turn the TV off, this unit will automatically turn off.

{Off} - Disables REGZA-LINK features.

[Load Default]

Reset all settings of Blu-ray Disc™ player to initial default state.

- Follow the instruction on the TV screen to confirm the default setting operation.

[Deactivate Setting]

To apply the deactivation, unplug the player after operating deactivation.

[Upgrade]

This option allows to update your product software via a Disc, USB Storage or Network.

[External Memory]

External Memory would be used in BD-Live™ function. When you plug in the USB flash drive which has at least 1GB free space to play BD-Live™ function, the Blu-ray Disc™ system would make a directory named BUDA automatically.

Media Information will display the Free size.

- Press OK to select “Fmt buda”, the data in the BUDA folder will be cleared.

[DivX(R) VOD DRM]

The DivX(R) VOD DRM means DivX(R) Video on Demand Digital Right Management.

DivX® is the name of a revolutionary new video codec which is based on the new MPEG-4 compression standard for video.

You will be able to play DivX® movies using this player.

You can only play DivX® videos that were rented or purchased with the DivX® registration code of this product.

Select the DivX(R) VOD DRM option, you can find this product’s registration code.

To learn more please visit http://www.divx.com/vod.

Network

1. In **Setting** menu, use ▲/▼ to select **Network** and press OK.
2. Press ▲/▼ to select an option and press OK.
3. Press ◄ or the RETURN button to return to the previous menu.

[Internet Connection]

To enable/disable the Internet connection.

[Interface]

Choose the way to connect network via Ethernet or Wireless.

[Connection Test]

Selecting the Connection Test will cause the player to attempt to communicate with your home network, and if successful, with a known Internet address. If both attempts are successful, your network connection should be good. If the player can successfully connect to your home network, but not to the known Internet address, your Internet service may be “down”, or your security firewall may be blocking access of the player to the Internet.

[IP Setting]

{Auto} - Auto obtain network information.

{Manual} - Manual setup network information.

[Wi-Fi Direct™]

It allows you to configure a secured wireless network between the Blu-ray Disc™ player and a Wi-Fi Direct™ compatible device (e.g. smartphone) without using an access point.

{Enable} - Turns on the Wi-Fi Direct™ features.

{Disable} - Disables the Wi-Fi Direct™ features.

[Wi-Fi Direct™ Setting]

To scan and connect a Wi-Fi Direct™ compatible device, e.g. smartphone.

[Information]

Display all Network Information.

[BD-Live Connection]
{Permitted} - During playback of BD-Live disc, the disc may automatically download all information from appointed network.
{Partial Permitted} - During playback of BD-Live™ disc, the disc may automatically download partial of the information from appointed network.
{Prohibited} - Disable downloading information from network.

[Media Sever Search]
Media Sever Search function enables you to create an interoperability network with other devices for resource sharing based on a network.
See **Media Server Search** on page21 for details.

Language

1. In **Setting** menu, use ▲/▼ to select **Language** and press OK.
2. Press ▲/▼ to select an option and press OK.
3. Use ▲/▼ to select the preferred language.
4. Press ◄ or the RETURN button to return to the previous menu.

[OSD]
Select the on-screen menu language.

[Menu]
Select the disc menu language.

[Audio]
Select the audio language of your preference.

[Subtitle]
Select your preferred subtitle language.

Security

1. In **Setting** menu, use ▲/▼ to select **Security** and press OK.
2. Press ▲/▼ to select an option and press OK.
3. Press ◄ or the RETURN button to return to the previous menu.

[Change Password]
Follow the instruction on the TV screen to change the password for locked discs and play restricted Blu-ray™ discs/DVDs.
1. Use NUMBER keys to enter four digit old password. The default password is “0000”.
2. Enter the new password.
3. Enter the new password again to confirm.

If you forget the password, you can erase your current password by entering the default password.

[Parental Control]
Restricts access to discs that are unsuitable for children. These discs must be recorded with rating.
1. Use NUMBER keys to enter the password.
2. Select a rating level, then press OK.

Items	Description
1 [Kid safe]	Safe for kids
2 [G]	All children and general guidance
3 [PG]	Parental guidance
4 [PG-13]	Parental guidance for children under 13
5 [PG-R]	Parental guidance recommended
6 [R]	Restricted viewing
7 [NC-17]	No one 17 and under allowed
8 [Adult]	Adult only

Notes:
- *Rated discs above the level you set in [Parental Control] require a password to be entered.*
- *The ratings are country-depended. To allow all discs to play, select ‘Off’.*

Information

1. In **Setting** menu, use ▲/▼ to select **Information** and press OK.
2. The current software version, MAC address and Netflix ESN will be displayed.
3. Press ◄ or the RETURN button to return to the previous menu.

Playback

1. In **Setting** menu, use ▲/▼ to select **Playback** and press OK.
2. Press ▲/▼ to select an option and press OK.
3. Use ▲/▼ to select On/Off, and press OK to confirm.
4. Press ◄ or the RETURN button to return to the previous menu.

[Angle Mark]
Some Blu-ray™ discs/DVDs contain the scenes recorded with multiple angles, which allow you to enjoy the videos with your desired angles, therefore the angle mark is displayed only when the Blu-ray Disc™/DVD disc is supportable for multi-angle and Angle Mark is set to ON.
{On} - Display the angle mark.
{Off} - Hide the angle mark.

[PIP Mark]
The Picture -In- Picture (PIP) mode display two pictures on the TV screen at the same time, the full screen picture is called Main Window and the small inset window is called Sub Window. The PIP mark is displayed when in PIP mode and PIP Mark is set to ON.
{On} - Display the PIP mark.
{Off} - Hide the PIP mark.

[Secondary Audio]
{On} - Display Secondary Audio.
{Off} - Hide the Secondary Audio.

[Last Memory]
If you open the disc tray or switch this Blu-ray Disc™ player to standby state during normal playback, the Blu-ray Disc™ player can memorize the end playing point, the player will start playback from the memorized point next time.
{On} - Active Last Memory feature.
{Off} - Disable Last Memory feature.

Note:
- Not all the Blu-ray™ discs can support this function.

Display

1. In **Setting** menu, use ▲/▼ to select **Display** and press OK.
2. Press ▲/▼ to select an option and press OK.
3. Use ▲/▼ to select the desired option, and press OK to confirm.
4. Press ◀ or the RETURN button to return to the previous menu.

[TV Screen]
Select the screen format according to how you want the picture to appear on the TV.
{16:9 Full} - For a disc with the aspect ratio of 4:3, the output video is stretched into 16:9 full screen.
{16:9 Normal} - For a disc with the aspect ratio of 4:3, the output video is resized vertically to match what will be seen on the display.
{4:3 Pan&Scan} - For standard TV, it displays a wide picture on the entire screen and cuts off the redundant portions.
{4:3 Letterbox} - For standard TV, it displays a wide picture with two black borders on the top and bottom of 4:3 screen.

[Resolution]
Select a video output resolution that is compatible with your TV display capability.
{Auto} - Select the most suitable resolution according to the TV.
{480i/576i, 480p/576p, 720p, 1080i, 1080p, UHD(2160p)} - Select a video resolution setting that is best supported by the TV. See TV manual for details.
Notes about UHD(2160p):
If you want the UHD(3840x2160p) output, it should fulfill below 3 conditions:
1. *TV supports the UHD(3840x2160p) display;*
2. *Player choose the "UHD(2160p)" option in the setting menu;*
3. *Media must be the 1080/24p video.*

Note:
- This resolution becomes effective only when the playing Blu-ray Disc™ contents are Film source.

[Color Space]
Select a predefined Color Space of picture.
{RGB} - Select RGB Color Space.
{YCbCr} - Select YCbCr Color Space.
{YCbCr422} - Select YCbCr422 Color Space.
{Full RGB} - Select Full RGB Color Space.

[HDMI Deep Color]
This feature is available only when the display device is connected by a HDMI cable, and when it supports Deep Color feature.
{On} - Enable HDMI Deep Color.
{Off} - Disable HDMI Deep Color.

[HDMI 1080/24p]
{On} - Enable 1080/24p video resolution setting.
{Off} - Disable 1080/24p video resolution setting.

Notes about HDMI 1080/24p:
If you want the 1080/24p output, it should fulfill below 3 conditions:
1. *TV supports the 1080/24p display;*
2. *Player choose the 1080/24p option in the setting menu;*
3. *Media must be the 1080/24p video.*

Note:
- This resolution becomes effective only when the playing Blu-ray Disc™ contents are Film source.

[Blu-ray 3D Mode]
Select whether to play a Blu-ray Disc™ with 3D contents in 3D Mode.
{Auto} - The 3D Blu-ray Disc™ is played in 3D mode if your product detects a TV that supports it. It is played in 2D mode if your product detects a TV which can not support it.
{Off} - The 3D Blu-ray Disc™ is played in 2D mode at all times. Select this option to view a picture without 3D effect or when a TV cannot support 3D Blu-ray™ discs.

7 Network Functional description

Media Server Search

With this player connected to network, you can play video, music and photo files from the server.

1. Connect this player to server network and set the Media Server Search to **Enable**.
   See **Network** on page19 for details.
2. Press SETTING to enter the setup screen and use ▲/▼ to select **Video**, **Music**, or **Photo**, then press OK.
   The Media Center menu appears on the screen.
3. Press ▲/▼ to select **Media Server list**, and then press OK.
4. Press ▲/▼ to a kind of media (Photo, Music, Video) and press OK.
   It should match the selection on the setup screen. (If you selected Video on the setup screen, you also should select Video here.)
5. Press ▲/▼ to select a file (or folder) and press OK or ▶II to start playback.

Note:

- *Not all media formats are supported.*

Miracast™

Allows you to enjoy videos, music and photos on your Miracast™ compatible device (e.g. smartphone) by Wi-Fi Direct™ connection without using an access point.

1. Turn on your Miracast™ compatible device (e.g. smartphone) and set the Wi-Fi Direct™ to **On**.
2. To set this Blu-ray Disc™ player.
   1) To enter the **Network** menu and set **Wi-Fi Direct™** to **Enable**.
   2) Then enter **Wi-Fi Direct™ Setting** to scan and select your Miracast™ compatible device, then press OK.

   See **Network** on page18 for details.
3. On your Miracast™ compatible device, search for the "**TOSHIBA BDPL"** from the list of discovered devices and select it.

   It may take the unit and Miracast™ compatible device a few seconds to connect.
4. After connected successfully, you can now enjoy videos, music and photos on your Miracast™ compatible device from the unit.

Using Portal Menu

A new cloud based service, where content (csp, video, photo, music, setting, etc) can be viewed and shared across the web through a simple user interface.

NOTE: You need to configure a home network before using this feature.

1. Press HOME or select Portal in the setup screen to display the Home screen.
2. Press ▲/▼ to select the desired icon and press OK.

Notes:

- *Some features require an always-on broadband internet connection, firmware update and/or additional bandwidth dedicated to this product. Third party internet services may change or be dicontinued or restricted at any time. Toshiba makes no warranties, representations, or assurances about the content, availability or functionality of third-party content or servics. Use of third party internet services may require registration by a computer and/or payment of charges and membership. Not all services or content may be available on this product, in your country or with your language. In order to experience the full capabilities of this product, fully compatible devices may be required. For more information, visit http://www.toshiba.eu/cloudtv-bluray*
- *This service may be Forcibly blocked according to the situation of CSP service.*

Watching movies with YouTube

1. Press HOME or select Portal in the setup screen to display the Home screen.
2. Use ◀/▶/▲/▼ to select **YouTube**, and then press OK to confirm.
3. Please enjoy any contents.

Browsing photos with Picasa

Signing in with your account

To display photos in your web album on the screen, you need to sign in with your Picasa account.

1. Press HOME or select Portal in the setup screen to display the Home screen.
2. Use ◀/▶/▲/▼ to select **Picasa**, and then press OK to confirm.
3. Enter your user name using the virtual keyboard, and press the OK button while [OK] is selected on the screen.

4. Enter the password using the virtual keyboard, and press the OK button while [OK] is selected on the screen.
   Your web album is displayed on the screen.

Creating a new Picasa account on your PC

Visit http://picasa.google.com/ to create a new account.

8 Specifications

Playable media

This product can play:

- Blu-ray Disc™-Video, BD-ROM Ver 2.0 - Profile1.1 (True BD Player and PinP, Virtual File System Support), BD-R Ver 1.1/1.2/1.3 - BD-ROM mode (BDMV Recording), BD-RE Ver 2.1 - BD-ROM mode (BDMV Recording)
- DVD, DVD-ROM (Single/Dual Layer), DVD-R (Single/Dual Layer at Finalized disc), DVD-RW (Single Layer at Finalized disc),
- Audio CD, DTS-CD, CD-R/CD-RW
- USB flash drive

Note:

- *This player does not support the 8cm disc. Moreover, please do not use an 8-cm disc adapter.*

Video

Signal system: PAL/NTSC

HDMI Output: 480i/576i, 480p/576p, 720p, 1080i, 1080p, 1080/24p, UHD(2160p).

Audio

- Digital output (Coaxial): 0.5 Vp-p (75 ohm)
- HDMI output

LAN

- LAN terminal 100BASE-T

USB

- USB terminal: 5V ⎓ 500mA
- USB 1.1 / USB 2.0 Full-speed/USB 2.0 High-speed
- Supporting range: USB Mass Storage Class Device, TOSHIBA's USB Wi-Fi® adapter (Model name: WLM-12EB1), 4 ports USB HUB, Card reader, Flash disk.
- Supported file system: FAT32
- Maximum size supported: 2000GB (HDD needs self-powered)
- Does not support unpowered HDD

Main Unit

- Power supply rating: DC IN 13V ⎓ 1.8 A
- Dimensions (w x h x d): 190 × 45 × 190 (mm)
- Net Weight: 0.79 kg
- Operating temperature: 5°C to 35°C
- Operating humidity: Less than 80 % (no condensation)

Accessories supplied

- Remote control
- Two AAA size batteries
- AC adapter
- Desktop Stand
- Two screws
- Simple IB

Compatible file formats

MP3 tracks

- Supported file extension: '.mp3'
- Supported audio codec : MP3
- Supported corresponding bitrate: 8kbps-320 kbps
- Supported sampling frequencies: 32kHz, 44.1kHz, 48kHz

JPEG

- Supported file extension: '.jpg' or '.jpeg'
- HD JPEG - Output in their source native resolution (720p and 1080p)
- JPEG/ISO format
- Does not support Picture CD

DivX®

- Supported file extension: '.DIVX'
- DivX HD

MKV

- Supported file extensions: '.MKV'
- Supported video codecs: H264 MP/HP, DivX, MPEG4 SP/ASP, MPEG2
- Supported audio codecs: AAC 2ch & 5.1ch, MP3, AC3, DTS, LPCM
- Supported subtitles: Text/UTF8, SSA, SMI, SUB, SRT, ASS
- Playback of MKV files in CD-R/RW may not be compatible
- Some MKV format discs may not play, depending on the video resolution and frame rate condition

Other formats

- MP4 ('.mp4', '.mov'), AVI ('.avi'), MPEG ('.mpg', '.mpeg')

9 Troubleshooting

If you experience any of the following difficulties while using this unit, check the list below before consulting your nearest TOSHIBA dealer.

Problem	Tip
No reaction to the remote control.	Connect the product to the power outlet.
	Point the remote control at the product.
	Insert the battery correctly.
	Insert new battery in the remote control.
No video signal on the display device.	Turn on the TV.
	Set the TV to the correct external input.
	Select the correct video resolution.
	Set TV System of TV correctly.
Incorrect or no audio / video signal on the amplifier/display device via HDMI cable.	If the unit is connected to the unauthorized display device with an HDMI cable, the audio/video signal may not be output.
	Ensure the amplifier/display devices setting match the Blu-ray Disc™ player.
No high-definition video signal on the TV.	Does the disc contain high-definition video? High-definition video is not available when the disc does not contain it.
	Does the TV support high-definition video? High-definition video is not available when the TV does not support it.
No audio signal from the loudspeakers of the audio system.	Turn on the audio system.
	Set the audio system to the correct external input.
	Increase the volume level of the audio system.
No 3D effectiveness.	Set Blu-ray 3D Mode to Auto.
	Connecting to a 3D TV.
	Playback a 3D disc.
	Wear 3D glasses.
Cannot play back a disc.	Make sure that the Blu-ray Disc™ player supports the disc.
	Make sure that the Blu-ray Disc™ player supports the region code of the DVD or Blu-ray Disc™.
	For DVD+RW/+R or DVD-RW/-R, make sure that the disc is finalized.
	Clean the disc.

	Cannot play back JPEG files from a disc.	Make sure that the disc was recorded in the JPEG/ISO format.
	Cannot play DivX® files	Make sure that the file was recorded in the H.264 or MPEG-4 format.
	Cannot play MP3 files from a disc.	Make sure that the disc was recorded in the ISO format.
		Make sure that the bit rate of the MP3 files is between 8 and 320 kbps.
		Make sure that the sample rate of the MP3 files is 32kHz, 44.1kHz or 48kHz.
	Cannot find a JPEG file.	Make sure that the selected group (folder) does not contain more than 9,999 files for DVD and 999 files for CD.
		Make sure that the file extension is .jpg, .JPG, .jpeg or .JPEG.
	Cannot find a MP3 file.	Make sure that the selected folder does not contain more than 9,999 files for DVD and 999 files for CD.
		Make sure that the file extension is .mp3 or .MP3.
	Cannot upgrade SW.	When you upgrade the system with USB flash drive, you should make a new folder named UPG_ALL, and copy the upgrade file into this folder.
		When you upgrade the system by network, please make sure the player is connected to the internet when upgrading the SW.
	Sometimes the options of setup menu cannot be selected.	When playing a DVD disc or Blu-ray Disc™, press STOP button once, the player will go into stop resume mode, meanwhile you cannot change some settings in setup menu such as language subitem menu, audio, subtitle etc. If you want to change that, press STOP button twice, the player will go into full stop mode, then you can do it.
	Cannot connect to the network	Check that the LAN cable connection is properly made. Check that the broadband router and/or modem is correctly connected. Check the Network Connection Setting.

10 Glossary

Aspect ratio
Aspect ratio refers to the length to height ratio of TV screens. The ratio of a standard TV is 4:3, while the ratio of a high definition or wide TV is 16:9. The letterbox allows you to enjoy a picture with a wider perspective on a standard 4:3 screen.

AVCHD™
AVCHD™ is a new format for high definition video camcorders which can record and play high-resolution HD images.

AVI
Audio Video Interleave, known by its acronym AVI, is a multimedia container format. AVI files can contain both audio and video data in a file container that allows synchronous audio-with-video playback.

BD-Java™
With some Blu-ray Disc™ which support Java™ applications, you can enjoy the interactive functions such as games or interactive menus.

BD-Live™
BD-Live™ is a BD-video (BD-ROM version 2 Profile 2.0/Profile 1.1) which contains new functions (e.g. Internet connection), in addition to the BONUSVIEW™ function.

Blu-ray 3D™
Blu-ray 3D™ is a BD-video (BD-ROM version 3 Profile 5.0) which contains 3D view function, in addition to the BD-Live/BONUSVIEW function.

Blu-ray Disc™
Blu-ray Disc™ is a next generation optical video disc capable of storing five times more data than a conventional DVD. The large capacity makes it possible to benefit from the features such as high-definition videos, multichannel surround sound, interactive menus and so on.

BONUSVIEW™
This is a Blu-ray Disc™-Video (Final Standard Profile or Profile 1.1) that supports interactive content encoded on the disc, such as picture-in-picture. This means you can play the primary video and secondary video simultaneously.

Chapter
Just as a book is split up into several chapters, a title on a Blu-ray Disc™-video or DVD-video is usually divided into chapters.

Digital Audio
Digital Audio is a sound signal that has been converted into numerical values. Digital sound can be transmitted through multiple channels. Analogue sound can only be transmitted through two channels.

DivX®
ABOUT DIVX VIDEO:
DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that plays DivX video. Visit divx.com for more information and software tools to convert your files into DivX videos.
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For HD Test Kit 1080p v1.1 and later:
DivX Certified® to play DivX® video up to HD 1080p, including premium content.

Dolby® Digital
The system to compress digital sound developed by Dolby Laboratories. It offers you sound of stereo (2ch) or multichannel audio.

Dolby® Digital Plus
Dolby Digital Plus is the next generation digital audio compression technology developed as an extension to Dolby Digital. Blu-ray Disc™ supports 7.1 multi-channel surround sound output.

Dolby® TrueHD
Dolby TrueHD is a lossless coding technology developed for next generation optical discs. Blu-ray DiscTM supports 7.1 multi-channel surround sound output.

DTS®
DTS is a multi-channel surround sound system. By connecting to DTS decoder, you can enjoy movie dynamic and realistic sound like movie theater. DTS surround sound technologies were developed by DTS, Inc.

DTS-HD®
DTS-HD is a lossless coding technology developed as an extension of the original DTS Coherent Acoustics format. Blu-ray Disc™ supports 7.1 multi-channel surround sound output.

DTS-HD Master Audio™
A disc encoded with DTS-HD Master Audio delivers ALL of the information from the original master recording — bit-for-bit, it's identical to what the sound engineers laid down. Audio doesn't get any better than this.

HDCP
High-bandwidth Digital Content Protection. This is a specification that provides a secure transmission of digital contents between different devices (to prevent unauthorized copyright.)

HDMI®
High-Definition Multimedia Interface (HDMI) is a high-speed digital interface that can transmit uncompressed high definition video and digital multichannel audio. It delivers high quality picture and sound quality. HDMI is fully backward compatible with DVI. As required by the HDMI standard, connecting to HDMI or DVI products without HDCP (High bandwidth Digital Content Protection) will result in no Video or Audio output.

IP Address
A set of numbers which are assigned to devices participating in a computer network.

JPEG
A very common digital still picture format. A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio. Files are recognized by their file extension '.jpg' or '.jpeg'.

LAN (Local Area Network)
A group of linked devices in a company, school or home. Indicates the boundaries of a particular network.

Local storage
This storage area is used as destination for storing additional contents from BD-Live™ enabled Blu-ray Disc™-Video.

MKV
The Matroska Multimedia Container is an open standard free container format, a file format that can hold an unlimited number of video, audio, picture or subtitle tracks inside a single file. It is intended to serve as a universal format for storing common multimedia content, like movies or TV shows.

MP3
A file format with a sound data compression system. MP3 is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. With the MP3 format, one CD-R or CD-RW can contain about 10 times more data than a regular CD.

MP4
MP4 file format is a multimedia container format standard specified as a part of MPEG-4. It is most commonly used to store digital video and digital audio streams, especially those defined by MPEG (MPEG4, H264...) but can also be used to store other data such as subtitles and still images.

PCM
Pulse Code Modulation. A digital audio encoding system.

Region code
A system that allows discs to be played only in the region designated. This unit only plays discs that have compatible region codes. You can find the region code of your unit on the product label. Some discs are compatible with more than one region (or ALL regions).

Sampling Frequency
The rate which sound is measured by a specified interval to turn into digital audio data. The numbers of sampling in one second defines as sampling frequency. The higher the rate, the better the sound quality.

Title
A collection of chapters on Blu-ray Disc™-video or DVD-video.

Track
Audio CD use tracks to divide up the content of a disc. The Blu-ray Disc™-video or DVD-video equivalent is called a chapter. See also "Chapter".

Wi-Fi
Wi-Fi or Wifi, is a mechanism for wirelessly connecting electronic devices.

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Linux kernel	GPLv2
gcc libgcc	GPLv3.txt and gcc-exception.txt (GPLv3 with GCC Runtime Library Exception)
gcc libstdc++	GPLv3.txt and gcc-exception.txt (GPLv3 with GCC Runtime Library Exception)
glibc	LGPLv2.1
SquashFS	GPLv2
iputils	GPLv2
udhcpc	GPLv2
net-tools	GPLv2
sysvinit	GPLv2
module-init-tools	GPLv2
util-linux-ng	GPLv2

procps (ps, top)	LGPLv2
psmisc	GPLv2
coreutils	GPLv2
gawk	GPLv2
grep	GPLv2
findutils	GPLv2
bash	GPLv2
tar	GPLv2
sed	GPLv2
gzip	GPLv2
inetutils	GPLv2
ncurses	ncurses.txt
gdb (gdbserver)	GPLv2
Das U-Boot	GPLv2
International Components for Unicode	ICULicense.txt
OpenSSL	openssl.txt
dibbler	GPLv2
FreeType	FreeType.txt
Expat	expat.txt
libcurl	libcurl.txt
libjpeg	libjpeg-7.txt
c-ares	c-arse.txt
mtd-utils	GPLv2
libmtp	LGPLv2.1
libusb	LGPLv2.1
libusb-compat	LGPLv2.1
wpa_supplicant	WPASupplicant.txt
libnl	GPLv2
Wireless Tools	GPLv2
DirectFB	LGPLv2.1
Fusion	GPLv2
SaWMan	LGPLv2.1

libpng	libpng.txt
libxml2	libxml.txt (MIT License)
David M. Gay's dtoa and strtod	DMG's dtoa and strtod.txt
Bison generated parser	bison_parser.txt
Doug Lea's malloc	dmalloc.txt
EMX sprintf and scanf	EMX_sprintf_sscanf.txt
JSON_Parser	JSON_Parser.txt
xz	
cpio	
Qt	LGPLv2.1
xmlrpc-c	xmlrpc-c.txt
gSOAP	gSOAP.txt (gSOAP Public License 1.3a)
SQLite	sqlite.txt (public domain)
mcr-tcpdump	BSD
zlib	zlib.txt
lighttpd	BSD License
nmbd	GPLv2
libelf	GPLv2
ltrace	GPLv2
ntp	
live555	LGPL V2

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GCC-EXCEPTION

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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<html>

<head>

<title>Runtime Error</title>

<style>

body {font-family:”Verdana”;font-weight:normal; font-size:.7em;color:black;}

p {font-family:”Verdana”;font-weight:normal; color:black;margin-top:-5px}

b {font-family:”Verdana”;font-weight:bold; color:black;margin-top:-5px}

H1 {font-family:”Verdana”;font-weight:normal; font-size:18pt;color:red }

H2 {font-family:”Verdana”;font-weight:normal; font-size:14pt;color:maroon}

pre {font-family:”Lucida Console”;font-size:.9em}

.marker {font-weight:bold;color:black;text-decoration:none;}

.version {color:gray;}

.error {margin-bottom:10px;}

.expandable {text-decoration:underline;font-weigh t:bold;color:navy;cursor:hand;}

</style>

</head>

<body bgcolor=”white”>

<H1>Server Error in ‘/’ Application.<hr width=100% size=1 color=silver></H1>

<h2> Runtime Error </h2>

<font face=”Arial, Helvetica, Geneva, SunSans-Regular, sans-serif “>

 Description: An application error occurred on the server. The current custom error settings for this application prevent the details of the application error from being viewed remotely (for security reasons). It could, however, be viewed by browsers running on the local server machine.

Details: To enable the details of this specific error message to be viewable on remote machines, please create a <customErrors> tag within a "web.config" configuration file located in the root directory of the current web application. This <customErrors> tag should then have its "mode" attribute set to "Off".

<table width=100% bgcolor=”#ffffcc”>

<tr>

<td>

<code><pre>

<!--Web.Config Configuration File-->

<configuration>

<system.web>

<customErrors mode="Off"/>

</system.web>

</configuration></pre></code>

</td>

</tr>

</table>

Notes: The current error page you are seeing can be replaced by a custom error page by modifying the "defaultRedirect" attribute of the application’s <customErrors> configuration tag to point to a custom error page URL.

<table width=100% bgcolor=”#ffffcc”>

<tr>

<td>

<code><pre>

<!--Web.Config Configuration File-->

<configuration>

<system.web>

<customErrors mode="RemoteOnly" defaultRedirect="mycustompage.htm"/>

</system.web>

</configuration></pre></code>

</td>

</tr>

</table>

</body>

</html>

LGPLv2.1

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Version 2.1, February 1999

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openssl

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zlib

zlib.h -- interface of the 'zlib' general purpose compression library

version 1.2.3, July 18th, 2005

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libcurl

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DMG's dtoa and strtod

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JSON_Parser

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